

23.53

Work Order ID 150124

Wednesday, August 24, 2016 11:36:28 AM

150124

Page 1

Item ID: D2013-3

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Mirror Bracket LH, 212

Start Date: 8/18/2016 Start Qty: 4.00

4

Cust Item ID:

Required Date: 8/24/2016 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals:

Process Plan:

DAS
21
9-09

Date: AUG 24 2016

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D2013

Rev C

100

0.03

100

Brake NC

NC BRAKE

Memo

0.13

Brake NC

1-Punch as per template D2013-T3 and Dwg D2013
 2-Flatten ends of D2013-3 tube as per Dwg D2013 using DT8545
 3-Bend (1) tube as per Dwg D2013 using Jig DT8201
 Identify as D2013-3.
 4-Deburr as required

4 FF OCT 25 2016

110

QC5- Inspect part completeness to step on W/O

0.00

110

QC

Memo

0.01

Quality Control

(4) DAS 38 OCT 26 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐			
Design ☐	☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐			
Doc/Data ☐	☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐			
Equip/Tooling ☐	☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐			
Handling/Pre ☐	☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐			
Material ☐	☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐			
Internal Transport ☐	☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐			
Tribal Knowledge ☐	☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐			
LOA ☐	☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐			
Substation ☐	☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐			
Past Expiry Date ☐	☐	Manufacturing Process ☐							
Misidentified ☐	☐	Past Due ☐	OTHER :						

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Run Start

NR1

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Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120

Identify as per dwg & Stock Location: _____

0.00

120

Packaging

Packaging

Memo

LOCATION : WA001

0.01

4

DAS
6

OCT 31 2016

130

QC21- Final Inspection - Work Order Release

0.00

130

QC

Quality Control

Memo

0.07

DAS
21
9-89

OCT 31 2016

DAS
21
9-89

OCT 31 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Past Expiry Date ☐	☐	Manufacturing Process ☐	OTHER :						
Misidentified ☐	☐	Past Due ☐							

Picklist Print

Wednesday, August 24, 2016 11:36:31 AM

Page 1 /

Work Order ID: 150124

150124

Parent Item: D2013-3

D2013-3

Parent Item Name: Mirror Bracket LH, 212

Start Date: 8/18/2016

Required Date: 8/24/2016

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP Rev:A New Issue 05-11-01 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M304TR0.750W.049		Purchased			No	100	f	280.4694	1.9473	8.199158			

M304TR0 750W 049

304 RD Tube .750 x .049W

FF

OCT 21 2016

Location

Loc Qty

Loc Code

GA002

135857

280.469358

M134306

2.75

M134528

36.473684

M134604

43.420524

M134824

7.618947

M135093

33.68421

M135242

60

M135325

12.920313

M135373

83.60168

8.199158

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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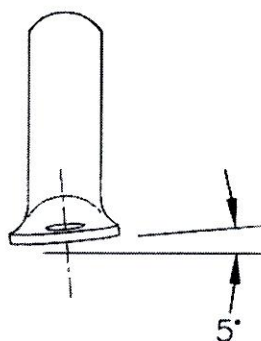
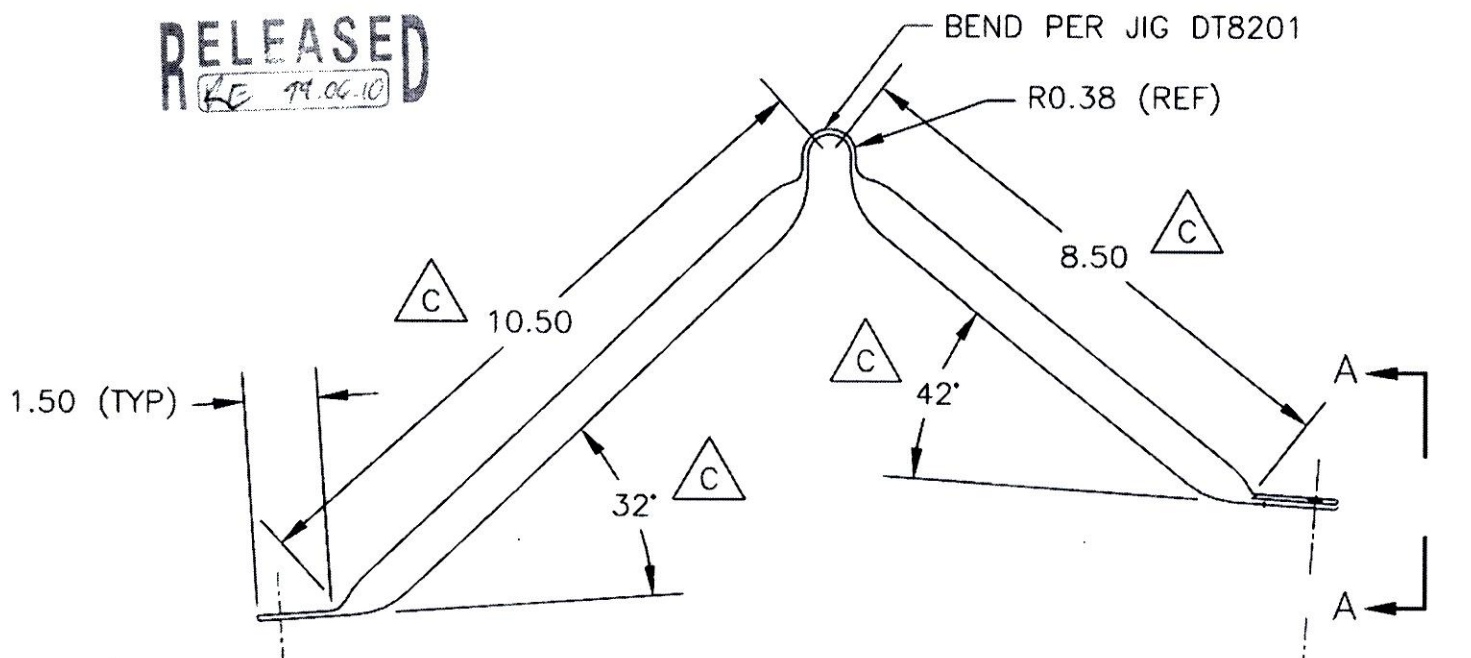
Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																							
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OTHER : _____																																																															

RELEASED
KE 99.06.10

DART



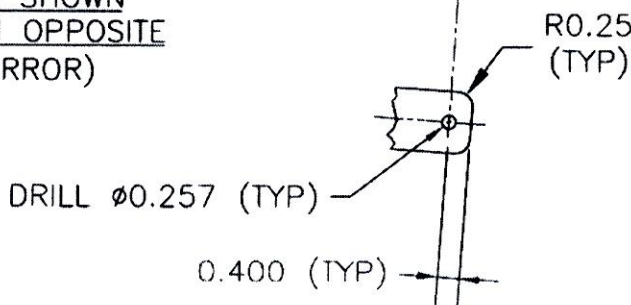
DESIGN	JB	DRAWN BY	RF	DART AEROSPACE LTD HAMKESBURY, ONTARIO, CANADA
CHECKED	KE	APPROVED	[Signature]	DRAWING NO. D2013
DATE	99.06.07	TITLE	MIRROR BRACKET	REV. C SHEET 2 OF 3
		SCALE	NTS	



VIEW A-A

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 150124 HUS
16-08-24

D2013-3 LH SHOWN
D2013-4 RH OPPOSITE
(FOR 212 MIRROR)



CUT LENGTH: 23.25 INCHES

MATERIAL: AISI 304/316 SS SEAMLESS TUBE,
0.750 O.D. x 0.049 WALL